



Europäisches Patentamt
European Patent Office
Office européen des brevets

(11) Publication number:

0 268 370
A3

(12)

EUROPEAN PATENT APPLICATION

(21) Application number: 87309045.0

(51) Int. Cl.⁴: H01L 49/00 , H01L 29/28

(22) Date of filing: 13.10.87

(30) Priority: 13.10.86 JP 243684/86
24.12.86 JP 309431/86
27.05.87 JP 133157/87

(40) Date of publication of application:
25.05.88 Bulletin 88/21

(60) Designated Contracting States:
CH DE FR GB IT LI NL

(80) Date of deferred publication of the search report:
31.05.89 Bulletin 89/22

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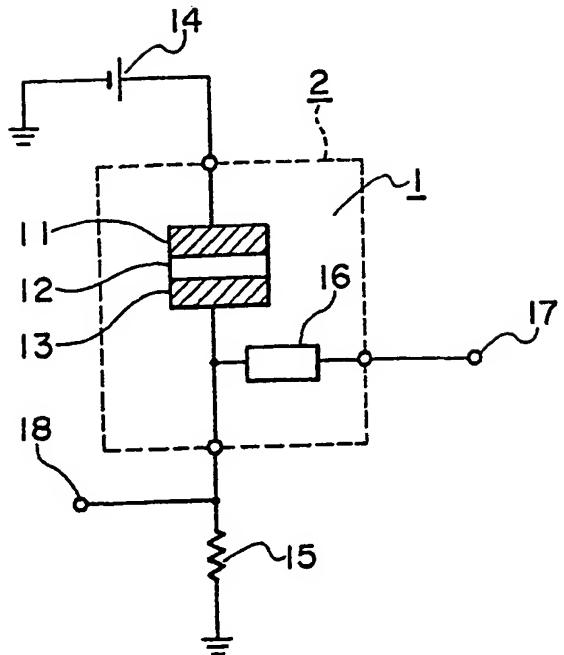
(54) Switching device.

EP (57) A switching device is characterized by having a periodical layer structure of an organic insulator between a pair of electrodes and having memorability with respect to switching characteristics. The layer

structure is formed of an amphiphilic compound according to the LB method.

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FIG.1





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X	APPLIED PHYSICS LETTERS vol. 31, no. 9, 1st November 1977, pages 553-555, New York, U.S.A.; CHUN CHIANG: "A model of switching and negative resistance phenomenon in organic thin film with dipoles". * figures 1,2; page 553 *	1,45,46	H 01 L 29/28 H 01 L 45/00
Y	idem	2-4,27, 30,31, 35,37, 38,40- 43,47, 48	
X	ELECTRONIC LETTERS vol. 21, no. 10, May 1985, pages 439-441, Stevenage, Herts, Great Britain; W. FULOP et al.: "Dielectric switching with memory in thin films of stearic acid." * whole document *	1,3,45, 46,53	
Y	idem	49-52, 54-58	TECHNICAL FIELDS SEARCHED (Int. Cl.4)
Y	EP-A-0 077 135 (QMC INDUSTRIAL RESEARCH LTD.) * abstract; figure 1; page 19, lines 22-25 *	2-4,34, 41,42, 47,48	H 01 L 29/28 H 01 L 45/00 B 05 D 1/12 G 11 C 11/22 G 11 C 19/30 H 01 B 1/12
Y	THIN SOLID FILMS vol. 134, no. 1-3, 20th December 1985, pages 89-99, Lausanne, Switzerland; B. BELBECH et al.: "Evidence of chain interdigitation in langmuirblodgett films." * pages 89,90; figure 1 * ---	2,3,41, 43,54, 55,58 -/-	
The present search report has been drawn up for all claims			
Place of search BERLIN		Date of completion of the search 20-02-1989	Examiner JUHL A.
CATEGORY OF CITED DOCUMENTS			
X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document			
T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document			



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Y	FR-A-2 134 508 (ENERGY CONVERSION DEVICES) * figures 1-6 *	49-52, 56,57	
P,X	EP-A-0 232 829 (KANEYAFUCHI KAGAKU KOGYO KABUSHIKI KAISHA) * abstract; page 54, paragraph 3; claims *	1-3,41, 42	
Y	DE-A-3 242 712 (BAYER) * abstract *	27	
Y	JOURNAL OF MOLECULAR ELECTRONICS vol. 1, no. 1, July/September 1985, pages 3-17, Chichester, Sussex, Great-Britain; M. SUGI: "Langmuir-Blodgett films - a Course Towards Molecular Electronics: a Review." * pages 14,15; figures 12-14 *	30,35	
Y	JAPANESE JOURNAL OF APPLIED PHYSICS SUPPLEMENTS 15th Conference, 1983, pages 181-184, Tokyo, Japan; M. SUGI: "Organic Monomolecular Films and Their Applications." * abstract; page 183, column 2, paragraph 3 *	31	TECHNICAL FIELDS SEARCHED (Int. Cl.4)
Y	THIN SOLID FILMS vol. 133, nos. 1-4, November 1985, pages 1-10, Lausanne, Switzerland; H. NAKAHARA et al.: "Langmuir-Blodgett films of ferrocene derivatives with long alkyl chains." * page 2, paragraph 2 *	37,38	
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Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim							
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			TECHNICAL FIELDS SEARCHED (Int. Cl.4)						
<p>The present search report has been drawn up for all claims</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 33%;">Place of search</td> <td style="width: 33%;">Date of completion of the search</td> <td style="width: 34%;">Examiner</td> </tr> <tr> <td>BERLIN</td> <td>20-02-1989</td> <td>JUHL A.</td> </tr> </table>				Place of search	Date of completion of the search	Examiner	BERLIN	20-02-1989	JUHL A.
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